ABSTRACT OF THE DISCLOSURE

The invention relates to a method for identifying, quantifying and/or characterizing an analyte (10) contained in a first liquid. Said method is characterized by the following steps: a) bringing the analyte (10) into contact with a first probe (20) and with a second probe (22), each probe having an affinity to the analyte (20), and incubating the analyte. The affinity of the first probe (20) is effected by a specific affinity to at least one first binding site (12) of the analyte (20), and the incubating ensues under conditions under which the first probe (20), and the second probe (22) bind to the analyte (10). Other steps include: b) marking the first probe (20) with at least one first marker (24) that can be identified in an electrochemically specific manner at least when the probe (22) cannot already be identified in an electrochemically specific manner; c) marking the second probe (22) with at least one second marker (26) that can be identified in an electrochemically specific manner at least when this probe cannot already be identified in an electrochemically specific manner; d) separating the first probe (20) and second probe (22) that are bound to the analyte (10); e) detecting a first electrochemical signal Sil, which is caused by the separated first probe (20) or by the first marker (24) and detecting a second electrochemical signal Si2 caused by the separated second probe (22) or by the second marker (26), and; f) identifying, quantifying and/or characterizing the analyte (10) by using a ratio between the first Si1 and the second signal Si2.